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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/630,872	08/02/2000	Yoshio Kitamura	450100-02642	7935

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EXAMINER

LO, LINUS H

ART UNIT PAPER NUMBER

2614

DATE MAILED: 11/21/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

TM

Office Action Summary

Application No.

09/630,872

Applicant(s)

KITAMURA ET AL.

Examiner

Linus H Lo

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 August 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

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DETAILED ACTION

Claim Objections

1. Claims 1 and 5 are objected to because of the following informalities:

Claims 1 and 5 recites the element of “ picture display device s a unit”, it should read as -
-picture display device unit-- . Appropriate correction is required.

For art rejection purpose, it is considered the claimed element as “ picture display device
unit”.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the
basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

3. Claims 1-3, and 5-6 are rejected under 35 U.S.C. 102(e) as being anticipated by
Garland ‘359.

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Considering claim 1, Garland discloses an integrated digital television video printer.

Garland discloses the following limitations, note:

- a) the claimed digital broadcast reception device which is met by the integrated digital television and video printer system 100 as described by the abstract and Fig. 1;
- b) the claimed reception means for receiving digital broadcasting which is met by the first decompressor 204 of the digital television receiver (Fig. 2 and column 3, lines 66-67) ;
- c) the claimed storage means for storing picture data of digital broadcasting, received by said reception means, in terms of a frame of an picture demonstrated on an picture display device unit which is met by the buffer 212 (Fig. 2 , and column 4, lines 7-28), whereas the buffer stored decompressed digital video signal 215 is rendered to be displayed on display means 208 ; and
- d) the claimed printing data creating means for acquiring the picture data stored in said storage means for preparing data for printing based on said picture data which is met by the second decompressor 214 (Fig. 2 , and column 4, lines 57-61), whereas the described decompression function of the second decompressor which is immanently encompass the function of preparing data for printing prior the data being subsequently printed. .

Considering claim 2, Garland discloses the following limitations;

- a) the claimed printing means for printing an picture for demonstration on said picture display means, based on the data for printing prepared by said printing data creating

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means which is met by the printing means 216 (Fig. 2, and column 4, lines 57-61, and column 3, lines 45-53 ; and

- b) the claimed limitation of said printing means being connected to said printing data creating means over an internal bus which is met by the connection between 216 and 214 of Fig. 2 and Fig. 1, and the description at column 2, lines 13-15, whereas such integrated system is immanently connected with be an internal bus..

Considering claim 3, the claimed control means for controlling the writing operation in said storage means so that , when an picture demonstrated on said picture display device is printed by said printing means, next picture data will not be written in said storage means which is met by the control means 210 (Fig. 2, column 4, lines 7-12, and column 4, lines 33-40), whereas the first passage describes the buffer is being controlled by the control means.

Considering claim 5, Garland discloses an integrated digital television video printer.
Garland discloses the following limitations, note:

- a) the claimed picture printing method which is met by the integrated digital television and video printer system 100 as described by the abstract and Fig. 1;
- b) the claimed step of storing received digital broadcast picture data in terms of a frame of an picture demonstrated on an picture display device unit which is met by the buffer 212 (Fig. 2 , and column 4, lines 7-28), whereas the buffer stored decompressed digital video signal 215 is rendered to be displayed on display means 208 ;

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- c) the claimed step of acquiring the picture data stored in said storage means to prepare data for printing based on this picture which is met by the second decompressor 214 (Fig. 2 , and column 4, lines 57-61), whereas the described decompression function of the second decompressor which is immanently encompass the function of preparing data for printing prior the data being subsequently printed; and
- d) the claimed step of printing an picture for demonstration on said picture display device based on said data for printing which is met by the connection between 216 and 214 of Fig. 2 and Fig. 1, and the description at column 2, lines 13-15, whereas such integrated system is immanently connected with be an internal bus.

Considering claim 6, Garland discloses the claimed limitation of the writing operation in said storage means is controlled so that ,when an picture demonstrated on said picture display device is printed , next picture data will not be written in said storage means which is met by function performed by the control means 210 (Fig. 2, column 4, lines 7-12, and column 4, lines 33-40), whereas the first passage describes the buffer is being controlled by the control means.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person

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having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 4 and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Garland '359.

Considering claim 4, Garland discloses the claimed invention except for the claimed limitation of the printing data creating means effect resolution conversion on picture data acquired from said storage means depending on the demonstrating density of said picture display device and on the printing density of said printing means.

Nonetheless, Garland teaches the second decompressor (printing data creating means) renders the picture data to be displayed on a display means and printed by the printing means (column 5, lines 56-66).

However, the second decompressor (printing data creating means) that performs the resolution conversion on the stored picture data based on the resolution (demonstrating density) of the display and the resolution (printing density) of the printing means prior renders the displayed picture data for printing which has the advantage of permitting different format or resolution type of printing device to be utilized by the system.

Therefore it is submitted that it would have been obvious to one having ordinary skill in the art at the time the invention was made to implement the Garland accordingly with the proper resolution conversion according to the resolution of both printing and display means for the stated advantage, and in order to print the stored displayable image data correctly by the printing means that has a difference resolution.

Considering claim 7, the claimed limitation of the resolution conversion on picture data acquired from said storage means which is similarly recited in claim 4, above. Thus claim 7 is rejected for the same reason as applied to claim 4 on the obviousness.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Kakihara et al. discloses a picture/audio signal transmission system.

Handelman discloses a CATV system for transmitting over CATV network encrypted information.

Sasano et al. discloses a receiver for television multiplex broadcasting.

Holman discloses an electronic redeemable coupon system.

Remillard discloses an apparatus and method for electronic device for information service.

Dedrick discloses a system using the vertical blanking interval for transporting electronic coupons.

Shiota et al. discloses a system for storing and utilizing picture image data recorded by digital camera.

Kawai discloses an image displaying and controlling apparatus and method.

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7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Linus H. Lo whose telephone number is (703) 305-4039.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John W. Miller, can be reached at (703) 305-4795.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:


(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

lhl LL

November 18, 2002


JOHN MILLER
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600